

subsidy received by the utilities during the same period was Rs. 11,753 crores.

(c) The Central Public Sector Generating Companies have not suffered any loss during the last three years. The overall commercial losses of the utilities without subsidy during the year 2003-04, 2004-05 and 2005-06 were Rs. 19,722 crores, Rs. 21,328 crores and Rs. 16,563 crores respectively

Power Surplus/Deficit Position

657. SHRI RAHUL BAJAJ: Will the Minister of POWER be pleased to state:

(a) the State-wise current power surplus/deficit position and the extent of resulting power cuts in their urban and rural areas; and

(b) by when and how these deficits are proposed to be removed?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) The State-wise power supply position in terms of energy and peak for January, 2007 and the period April, 2006 to January, 2007 is enclosed at Statement-I (*See below*). The load shedding and power cuts are imposed by the respective States depending on demand for power and its availability. The details of notified power cuts/restrictions imposed by the States in their urban areas and industries and power supply to agricultural sector during the month of January, 2007 are given in Statement-II and -III (*See below*).

(b) National Electricity Policy envisages demand is to be fully met by the end of Eleventh Plan. To meet the demand projection of 16th Electric Power Survey (EPS) for Eleventh Plan end (2011-12), capacity addition of about 1,00,000 MW is required during Tenth and Eleventh Plan period. Out of this 23,250 MW is likely to be added by end Of Tenth Plan and tentative capacity addition of about 76 460 MW is proposed during Eleventh Plan.

Statement-I

The State-wise details of Power Supply alongwith surplus/deficit position (i)

Power Supply Position (Provisional)

Figures in MU net

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| State System Region | January, 2007 | | | | April, 2006-January, 2007 | | | |
|---------------------|------------------|-------------------|---------------|--------------|---------------------------|-------------------|---------------|----------------|
| | Requirement (MU) | Availability (MU) | Surplus/ (MU) | Deficits (%) | Requirement (MU) | Availability (MU) | Surplus/ (MU) | Deficit(-) (%) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Chandigarh | 95 | 95 | 0 | 0.0 | 1,154 | 1,152 | -2 | -0.2 |
| Delhi | 1,587 | 1,569 | -18. | -1.1 | 19,363 | 18,989 | -374 | -1.9 |
| Haryana | 2,202 | 1,924 | -278 | -12.6 | 22,756 | 20,064 | -2,692 | -11.8 |
| Himachal Pradesh | 432 | 412 | -20 | -4.6 | 4,176 | 4,079 | -97 | -2.3 |
| Jammu & Kashmir | 994 | 694 | -300 | -30.2 | 9,590 | 6,563 | -3,027 | -31.6 |
| Punjab | 2,645 | 2,445 | -200 | -7.6 | 33,913 | 30,287 | -3,626 | -10.7 |
| Rajasthan | 3,254 | 3,004 | -250 | -7.7 | 27,785 | 26,404 | -1,381 | -5.0 |
| Uttar Pradesh | 4,579 | 3,879 | -700 | -15.3 | 48,457 | 40,373 | -8,084 | -16.7 |
| Uttaranchal | 589 | 539 | -50 | -8.5 | 4,996 | 4,718 | -278 | -5.6 |
| Northern Region | 16,377 | 14,561 | -1,816 | -11.1 | 172,190 | 152,628 | -19,562 | -11.4 |
| Chhattisgarh | 1,263 | 1,158 | -105 | -8.3 | 11,507 | 10,807 | -700 | -6.1 |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------------------------|--------|--------|--------|-------|---------|---------|---------|-------|
| Gujarat | 5,891 | 4,853 | -1,038 | -17.6 | 51,520 | 44,740 | -6,780 | -13.2 |
| Madhya Pradesh | 4,408 | 3,418 | -990 | -22.5 | 31,808 | 27,219 | -4,589 | -14.4 |
| Maharashtra | 10,353 | 7,839 | 2,514 | -24.3 | 89,148 | 73,673 | -15,475 | -17.4 |
| Daman & Diu | 133 | 122 | -11 | -8.3 | 1,330 | 1,162 | -168 | -12.6 |
| Dadra and Nagar Haveli | 270 | 269 | -1 | -0.4 | 2,427 | 2,383 | -44 | -1.8 |
| Goa | 227 | 224 | -3 | -1.3 | 2,164 | 2,149 | -15 | -0.7 |
| Western Region | 22,545 | 17,883 | -4,662 | -20.7 | 189,904 | 162,133 | -27,771 | -14.6 |
| Andhra Pradesh | 5,417 | 4,858 | -559 | -10.3 | 49,584 | 47,659 | -1,925 | -3.9 |
| Karnataka | 3,897 | 3,789 | -108 | -2.8 | 33,034 | 32,450 | -584 | -1.8 |
| Kerala | 1,304 | 1,264 | -40 | -3.1 | 12,341 | 12,113 | -228 | -1.8 |
| Tamil Nadu | 5,144 | 5,015 | -129 | -2.5 | 50,724 | 49,940 | -784 | -1.5 |
| Pondicherry | 140 | 140 | 0 | 0.0 | 1,507 | 1,507 | 0 | 0.0 |
| Lakshadweep | 2 | 2 | 0 | 0 | 20 | 20 | 0 | 0 |
| Southern Region | 15,902 | 15,066 | -836 | -5.3 | 147,190 | 143,669 | -3,521 | -2.4 |
| Bihar | 775 | 706 | -69 | -8.9 | 6,994 | 6,421 | -573 | -8.2 |
| DVG | 983 | 950 | -33 | -3.4 | 9,602 | 9,405 | -197 | -2.1 |
| Jharkhand | 418 | 405 | -13 | -3.1 | 3,630 | 3,448 | -182 | -5.0 |
| Orissa | 1,522 | 1,475 | -47 | -3.1 | 14,174 | 13,917 | -257 | -1.8 |
| West Bengal | 2,149 | 2,065 | -84 | -3.9 | 22,362 | 21,889 | -473 | -2.1 |
| Sikkim | 24 | 23 | -1 | -4.2 | 180 | 176 | -4 | -2.2 |
| Andaman-Nicobar | 20 | 15 | -5 | -25 | 200 | 150 | -50 | -25.0 |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------------------|--------|--------|-------|-------|---------|---------|---------|-------|
| Eastern Region | 5,871 | 5,624 | -247 | -4.2 | 56,942 | 55,256 | -1,686 | -3.0 |
| Arunachal Pradesh | 28 | 27 | -1 | -3.6 | 216 | 208 | -8 | -3.7 |
| Assam | 349 | 320 | -28 | -8.3 | 3,627 | 3,366 | -261 | -7.2 |
| Manipur | 32 | 30 | -2 | -6.3 | 395 | 377 | -18 | -4.6 |
| Meghalaya | 114 | 84 | -30 | -26.3 | 1,168 | 923 | -245 | -21.0 |
| Mizoram | 20 | 19 | -1 | -5.0 | 191 | 182 | -9 | -4.7 |
| Nagaland | 28 | 27 | -1 | -3.6 | 292 | 281 | -11 | -3.8 |
| Tripura | 58 | 52 | -6 | -10.3 | 697 | 633 | -64 | -9.2 |
| North-Eastern Region | 629 | 559 | -70 | -11.1 | 6,586 | 5,970 | -616 | -9.4 |
| ALL INDIA | 61,324 | 53,693 | -7631 | -12.4 | 572,812 | 519,656 | -53,156 | -9.3 |

#Lakshadweep and Andaman & Nicobar Islands are stand alone systems, power supply position of these does not form part of regional requirement and availability.

NOTE: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

(ii) Peak Demand and Peak Met (Provisional)

| State System Region | January, 2007 | | | | | Figures in MW net April, 2006-January, 2007 | | | |
|---------------------------|----------------|------------------|--------------------|-------|--------|--|--------|--------------------|--|
| | Peak | | Surplus Deficit(-) | | Demand | Peak | | Surplus Deficit(-) | |
| | Demand (MW) | Peak Met (MW) | (MW) | (%) | (MW) | Peak Met (MW) | (MW) | (%) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Chandigarh | 192 | 192 | 0 | 0.0 | 264 | 247 | -17 | -6.4 | |
| Delhi | 3,332 | 3,289 | -43 | -1.3 | 4,000 | 3,736 | -264 | -6.6 | |
| Haryana | 3,974 | 3,208 | -766 | -19.3 | 4,837 | 4,201 | -636 | -13.1 | |
| Himachal Pradesh | 895 | 830 | -65 | -7.3 | 895 | 871 | -24 | -2.7 | |
| Jammu & Kashmir | 1,600 | 1,318 | -282 | -17.6 | 1,600 | 1,318 | -282 | -17.6 | |
| Punjab | 5,572 | 4,707 | -865 | -15.5 | 8,971 | 6,558 | -2,413 | -26.9 | |
| Rajasthan | 5,794 | 4,719 | -1,075 | -18.6 | 5,794 | 4,793 | -1,001 | -17.3 | |
| Uttar Pradesh | 8,000 | 7,145 | -855 | -10.7 | 9,184 | 7,531 | -1,653 | -18.0 | |
| Uttaranchal | 1,063 | 891 | -172 | -16.2 | 1,108 | 991 | -117 | -10.6 | |
| Northern Region | 29,344 | 25,062 | -4282 | -14.6 | 31,516 | 26,644 | -4,872 | -15.5 | |
| Chhattisgarh | 2,257 | 1,783 | -474 | -21.0 | 2,257 | 1,817 | -440 | -19.5 | |
| Gujarat | 10,203 | 7,670 | -2533 | -24.8 | 11,619 | 8,110 | -3,509 | -30.2 | |
| Madhya Pradesh | 6,919 | 5,753 | -1,166 | -16.9 | 8,090 | 6,404 | 1,686 | -20.8 | |
| Maharashtra | 17,130 | 12,141 | -4,989 | -29.1 | 17,130 | 12,557 | -4,573 | -26.7 | |
| Daman & Diu | 205 | 187 | -18 | -8.8 | 210 | 187 | -23 | -11.0 | |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------------------------|--------|--------|-----------|-------|--------|--------|--------|-------|
| Dadra and Nagar Haveli | 386 | 370 | -16 | -4.1 | 415 | 370 | -45 | -10.8 |
| Goa | 413 | 373 | 40 | -9.7 | 433 | 400 | -33 | -7.6 |
| Western Region | 35,451 | 26,336 | -9,115 | -25.7 | 36,453 | 26,882 | -9,571 | -26.3 |
| Andhra Pradesh | 8,920 | 7,520 | -1,400 | -15.7 | 9,167 | 8,281 | -886 | -9.7 |
| Karnataka | 5,816 | 5,492 | -324 | -5.6 | 6,130 | 5,611 | -519 | -8.5 |
| Kerala | 2,713 | 2,648 | -65 | -2.4 | 2,713 | 2,648 | -65 | -2.4 |
| Tamil Nadu | 8,379 | 8,174 | -205 | -2.4 | 8,609 | 8,449 | -160 | -1.9 |
| Pondicherry | 221 | 221 | 0 | 0.0 | 265 | 265 | 0 | 0.0 |
| Lakshadweep | 6 | 6 | 0 | 0 | 6 | 6 | 0 | 0 |
| Southern Region | 24,344 | 22,800 | -1,544 | -6.3 | 25,165 | 23,520 | -1,645 | -6.5 |
| Bihar | 1,349 | 1,042 | -307 | -22.8 | 1,399 | 1,162 | -237 | -16.9 |
| DVC | 1,573 | 1,552 | -21 | -1.3 | 1,650 | 1,597 | -53 | -3.2 |
| Jharkhand | 651 | 633 | -18 | -2.8 | 687 | 671 | -16 | -2.3 |
| Orissa | 2,649 | 2,608 | -41 | -1.5 | 2,649 | 2,608 | -41 | -1.5 |
| West Bengal | 4,152 | 4,038 | -114 | -2.7 | 4,784 | 4,669 | -115 | -2.4 |
| Sikkim | 45 | 45 | 0 | 0.0 | 45 | 45 | 0 | 0.0 |
| Andaman-Nicobar | 40 | 32 | -8 | -20 | 40 | 32 | -8 | -20 |
| Eastern Region | 9,923 | 9,446 | -477 | -4.8 | 10,491 | 10,058 | -433 | -4.1 |
| Arunachal Pradesh | 79 | 73 | -6 | -7.6 | 79 | 76 | -3 | -3.8 |
| Assam | 737 | 591 | -146 | -19.8 | 771 | 688 | -83 | -10.8 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------------------|---------|--------|---------|-------|---------|--------|---------|-------|
| Manipur | 92 | 85 | -7 | -7.6 | 106 | 101 | -5 | -4.7 |
| Meghalaya | 402 | 269 | -133 | -33.1 | 402 | 269 | -133 | -33.1 |
| Mizoram | 81 | 74 | -7 | -8.6 | 81 | 74 | -7 | -8.6 |
| Nagaland | 68 | 67 | -1 | -1.5 | 79 | 79 | 0 | 0.0 |
| Tripura | 139 | 107 | -32 | -23.0 | 169 | 142 | -27 | -16.0 |
| North-Eastern Region | 1,176 | 1,054 | -122 | -10.4 | 1,407 | 1,166 | -241 | -17.1 |
| ALL INDIA | 100,238 | 84,698 | -15,540 | -15.5 | 100,403 | 86,425 | -13,978 | -13.9 |

#Lakshadweep and Andaman & Nicobar Islands are stand alone systems, power supply position of these does not form part of regional requirement and availability.

NOTE: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Statement-II*Notified Power Cuts/Restrictions on Industries during January, 2007*

| State/Region | Energy cut | Demand cut |
|------------------------|--|---|
| <i>Northern Region</i> | | |
| Chandigarh | Nil | Nil |
| Delhi | Nil | Nil |
| Haryana | 0.2 to 2.8 MU/day HT industries at different timing and different days | 200 MW cut on HT industries. |
| Himachal Pradesh | 0.255 MU/day on HT/LT industries | 85 MW cut from 17:30 hrs. to 20:30 hrs. daily on HT/ LT industries. |
| Jammu & Kashmir | | 50%load off for 17 hrs. in Jammu area; 50% load off for 15 hrs. daily and in addition twice a week 28.7% Load off for 7 hrs. in Valley area. |
| Punjab | 1.8 MU/day on HT/LT industries. | 600 MW cut from 18:00 to 21:00 hrs. on HT/LT industries. |
| Rajasthan | 1.2 MU/day on HT/LT industries at different timing and different days. | 300 MW cut from 18 hrs. to 22 hrs. on different type of industries. |
| Uttar Pradesh | Nil | Nil |
| Uttaranchal | Nil | Nil |
| <i>Western Region</i> | | |
| Chhattisgarh | Nil | Nil |
| Gujarat | All industries are required to keep their recess timings staggered. | All industries are required to stagger their weekly off days an cannot avail as per their choice. |
| Madhya Pradesh | Nil | Nil |
| Maharashtra | | Staggered load shedding of one day |
| Goa | Nil | Nil |

[6 March, 2007]

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| State/Region | Energy cut | Demand cut |
|------------------------|---|------------|
| <i>Southern Region</i> | | |
| Andhra Pradesh | Nil | Nil |
| Karnataka | Nil | Nil |
| Kerala | Nil | Nil |
| Tamil Nadu | Nil. However, all welding sets irrespective of connected load were not allowed to work between 6 p.m. and 8:30 p.m. | |
| <i>Eastern</i> | | |
| Bihar | Nil | Nil |
| DVC | 2.07 MU power cut on HT | Nil |
| Jharkhand | Nil | Nil |
| Orissa | Nil | Nil |
| West Bengal | 0.83 MU to LT | Nil |

Note:-Although some States have reported "No Notified Power Cuts", load shedding/restrictions are imposed on industries on day to day basis depending upon availability of power *vis-a-vis* requirement.

Statement-III *Power Supply to Agricultural Sector during January, 2007*

| State/Region | Average Hours of Supply |
|------------------------|---|
| <i>Northern Region</i> | |
| Chandigarh | No restriction |
| Delhi | No restriction |
| Haryana | Three Phase/Single Phase Supply: 6 hrs./day |
| Himachal Pradesh | No restriction |
| Jammu & Kashmir | — |
| Punjab | Three Phase Supply: about 11 hrs./day |
| Rajasthan | Three Phase Supply: 11 hrs./day |
| Uttar Pradesh | 14 hrs./day |
| Uttaranchal | 24hrs./day |
| <i>Western Region</i> | |
| Chhattisgarh | Three Phase Supply: 21 hrs. 23 min./day |

| State/Region | Average Hours of Supply |
|------------------------|--|
| Gujarat | Three Phase Supply: average 07 hrs. 50 min./day Single Phase Supply: average 14hrs./day. |
| Madhya Pradesh | Three Phase Supply: 8 hrs./day Single Phase Supply: 03 hrs./day. |
| Maharashtra | Three Phase Supply: average 10 hrs./day Single Phase Supply: average 20 hrs./day. |
| Goa | No restriction |
| <i>Southern Region</i> | |
| Andhra Pradesh | Three Phase Supply: 7 hrs./day Single Phase Supply: No supply |
| Karnataka | Three Phase/Single Phase Supply: 08 hrs. 30 mins/ day |
| Kerala | No restrictions |
| Tamil Nadu | Three Phase Supply: 14 hrs./day Single Phase Supply: 10hrs./day. |
| Pondicherry | No restrictions |
| <i>Eastern Region</i> | |
| Bihar | 18 hrs. |
| Jharkhand | About 20 hrs. |
| Orissa | 24 hrs. (It is being supplied by distribution company) |
| West Bengal | About 24 hrs. |

Private investment in hydro power sector

†658. SHRI DATTA MEGHE: Will the Minister of POWER be pleased to state:

(a) whether Government are considering the suggestion that in view of

†Original notice of the question was received in Hindi.